

Converting Colors

CIELCh(34, 4.730, 15.799)

Have a look what the booklet for
CIELCh(34, 4.730, 15.799) contains.

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Color

CIELCh(34, 4.896, 12.793)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-------------------------|
| Hex | 584D4E |
| RGB | 88, 77, 78 |
| RGB Percent | 35%, 30%, 31% |
| CMY | 0.6534, 0.6966, 0.6927 |
| CMYK | 0.00, 0.12, 0.11, 0.65 |
| HSL | 355°, 7%, 33% |
| HSV | 355°, 12%, 35% |
| XYZ | 8.1287, 8.0082, 8.3947 |
| YIQ | 80.4030, 6.2350, 2.6430 |

Conversions

Conversions Part 2

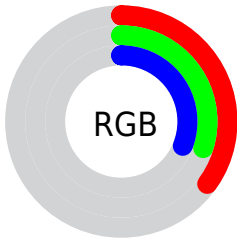
| Format | Color |
|-------------------------------------|-----------------------------|
| R_YB | 88, 77, 78 |
| Decimal | 5786958 |
| CIE Lab | 34.00, 4.77, 1.08 |
| CIE LCh | 34, 4.896, 12.793 |
| Yxy | 8.0082, 0.3314, 0.3264 |
| Android (android.graphics.Color) | 4283977038 (0xFF584D4E) |
| YUV | 80.4030, -1.1847, 6.6626 |
| Hunter-Lab | 28.2988, 1.7506, 2.2210 |

Details

The CIELCh color **34, 4.896, 12.793** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 4.608, 191.104**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 4.875, 13.100**, and **14, 5.125, 12.825** is the 20% darker color. If you saturate the color by 10%, you get **31, 9.097, 13.774**, and if you desaturate by 10%, it is **37, 0.936, 11.762**.

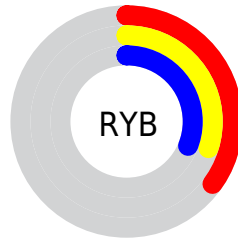
Distribution



 Red (35%)

 Green (30%)

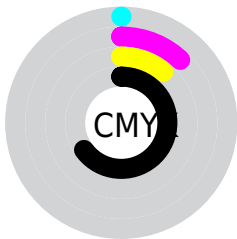
 Blue (31%)



 Red (35%)

 Yellow (30%)

 Blue (31%)

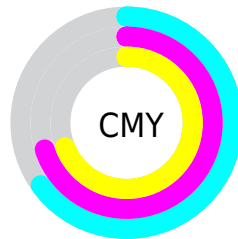


 Cyan (0%)

 Magenta (12%)

 Yellow (11%)

 Black (65%)



 Cyan (65%)

 Magenta (70%)

 Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 4.896, 12.793 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 34, 4.896, 12.793 by changing the saturation by 10% instead.

 34, 4.896, 12.793  34, 4.896, 12.793

 100, 4.896, 12.793  24, 4.896, 12.793

 54, 4.896, 12.793  14, 4.896, 12.793

 64, 4.896, 12.793  4, 4.896, 12.793

 74, 4.896, 12.793  0, 4.896, 12.793

 84, 4.896, 12.793

 94, 4.896, 12.793

 34, 4.896, 12.793  34, 4.896, 12.793

 31, 9.097, 13.774  37, 0.936, 11.762

 28, 13.530, 14.932  40, 2.783, 191.525

26, 18.160, 16.353

43, 6.276, 190.899

24, 22.919, 18.121

46, 9.560, 190.393

21, 27.705, 20.334

49, 12.656,
189.956

19, 32.387, 23.092

51, 15.581,
189.573

18, 36.826, 26.458

17, 40.622, 29.441

54, 18.354,
189.233

16, 43.077, 30.187

57, 20.992,
188.928

60, 23.509,
188.652

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34, 4.896, 12.793



37, 4.608, 191.104

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34, 4.896, 12.793



34, 4.896, 62.793



34, 4.896, 192.793



34, 4.896, 242.793

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34, 4.895, 12.804



47, 1.901, 12.014



34, 8.101, 322.254



24, 1.364, 12.077



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 4.895, 12.804



43, 7.379, 13.083



35, 3.999, 62.673



16, 2.140, 12.471



21, 50.663, 32.905



49, 94.343, 36.948

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34, 4.895, 12.804



43, 7.379, 13.083



35, 3.818, 245.259



16, 2.140, 12.471



21, 50.663, 32.905



49, 94.343, 36.948

Previews

White Background



This preview shows how the CIELCh color 34, 4.896, 12.793 looks on a white background.

Color Contrast Check

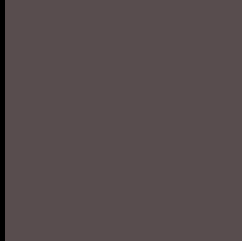
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 4.896, 12.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

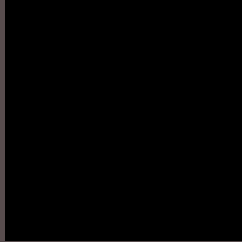
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 4.896, 12.793

Background



This preview shows how black text looks on a background with the CIELCh color 34, 4.896, 12.793.

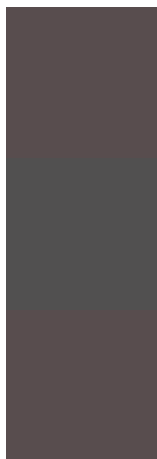


This preview shows how white text looks on a background with the CIELCh color 34, 4.896, 12.793.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


34, 4.896, 12.793

Protanopia

34, 0.432, 18.808

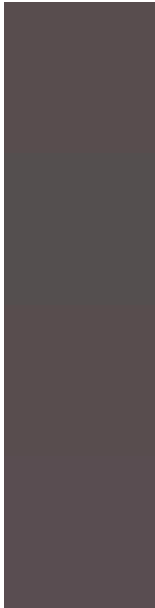
Deuteranopia

34, 4.896, 12.793



Tritanopia
34, 6.422, 344.669

Trichromacy



Original Color

34, 4.896, 12.793

Protanomaly

34, 2.181, 19.602

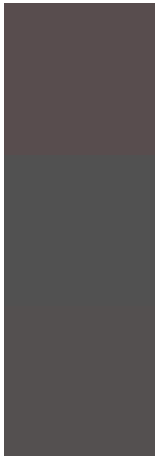
Deuteranomaly

34, 4.896, 12.793

Tritanomaly

34, 5.811, 354.840

Monochromacy



Original Color

34, 4.896, 12.793

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 1.738, 19.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 4.896, 12.793 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 77, 78)` looks like.

```
.text, #text, p{  
    color:rgb(88, 77, 78)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 77, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 77, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 4.896, 12.793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 77, 78) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 77, 78) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 77, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 77, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 77, 78);  
box-shadow:4px 4px 4px 4px rgb(88, 77, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 4.896, 12.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 77, 78) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 77,  
78) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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